

No.	Species	Works	Category
2	Prunus	Remove, Small stump	
3	Sorbus	Remove, Small stump	C1
4	Apple	Remove, Small stump	C1
5	Meadow Sweet	Open for all aspects to be planted elsewhere for the proposed shelter whilst retaining a retained canopy	B1
H2	A Hedge	Thin hedges face back to the fence line	C1

All tree work is to be undertaken in accordance with British Standard BS 3998:2012 Tree work - Recommendations. All stumps are to be removed and the site is to be left as found. Care is to be taken of the ground around retained trees to make sure that it does not become compacted as a result of tree surgery operations. No equipment or vehicles such as timber forklifts, tractors, excavators or cranes shall be parked or driven beneath the crowns of any retained trees, to prevent subsequent compaction and root death.

### Protective Fencing

To be erected prior to the commencement of all works on site, and retained in place throughout construction.  
 (Default specification: To comprise either 2.4m wooden site hoarding; or a 2.3m high scaffolding framework comprising of vertical and horizontal framework, well braced to resist impacts, with uprights to be spaced at a maximum of 3.0m intervals and driven into the ground by a minimum of 600mm. On this standard anti-climb welded mesh panels are to be securely fixed to each other with at least two scaffold clamps and to the scaffolding framework with wire.  
 Secondary Specification: To comprise of 2m tall welded mesh panels on rubber or concrete feet. Panels are to be joined together using a minimum of two anti-tamper couplers, installed so that they can only be removed from inside the fence. The panels should be supported on the inner side by stabilizer struts, which should be attached to a base plate and secured with ground pins.  
 All weather notices should be erected at regular intervals on the weld mesh panels with words such as "Construction exclusion zone - Keep out".

**Tree Protection Area**  
**KEEP OUT**  
 Do not move this fence

**STOP & COUNTRY PLANNING ACT 1990**  
 THESE ENCLOSURES ARE MADE AND PROTECTED UNDER CONDITIONS AND REQUIREMENTS OF A TREE PRESERVATION ORDER MAY LEAD TO CRIMINAL CONVICTION OF A TREE PRESERVATION ORDER MAY LEAD TO CRIMINAL CONVICTION  
 ANY INCURSION INTO THE PROTECTED AREA MUST BE WITH THE WRITTEN PERMISSION OF THE LOCAL PLANNING AUTHORITY

### Ground Protection

The existing hard surfacing within the RPA of retained trees 10, 15 & 16, as depicted on the Tree Protection Plan (Arbtech TPP 01) provides passive protection against compaction to the underlying soil and therefore must be retained for the duration of the project. If this is removed, it shall be done so under direct arboricultural supervision and replaced with suitable ground protection, capable of withstanding the likely loading to the site.

New temporary ground protection should be capable of supporting any traffic entering or using the site without being distorted or causing compaction of underlying soil.

Note: The ground protection might comprise one of the following:

- a) for pedestrian movements only, a single thickness of scaffold boards placed either on top of a driven scaffold frame, or to form a suspended walkway, or on top of a compression-resistant layer (e.g. 100mm depth of woodchip), laid onto a geotextile membrane;
- b) for pedestrian-operated plant up to a gross weight of 2t, proprietary inter-linked ground protection boards placed on top of a compression-resistant layer (e.g. 150mm depth of woodchip), laid onto a geotextile membrane;
- c) for tracked or tracked construction traffic exceeding 2 t gross weight, an alternative system (e.g. proprietary system or pre-cast reinforced concrete slabs) to an engineering specification designed in conjunction with arboricultural advice, to accommodate the likely loading to which it will be subjected.

For situations other than those described in a) or b), the ground boarding to be designed by a suitably qualified person to an engineering specification in conjunction with arboricultural advice, to be able to support the expected loading to be placed upon it.

In all cases, the objective of the ground boarding is to avoid compaction of the soil beneath, so that tree root function remains unimpaired.

### Supervised Demolition

Hard surfacing: Removal of and/or replacement of hard surfacing situated either partially or completely within the RPAs of retained trees shall be undertaken with care and under the direct arboricultural supervision as these areas are likely to contain roots.

Where this is necessary the wearing course will be broken up using a hand held pneumatic breaker, hand tools and a wheel barrow to break up and remove the surfacing. If it is necessary to remove the sub base this is to be undertaken using hand tools such as a fork to loosen the material and removed using shovels and wheelbarrows.

In some situations and at the discretion of the arborist it may be possible to use an excavator using a hydraulic breaker and a suitably sized toothless grading bucket. If an excavator is to be used it must be situated outside of the RPA, on top of the hard surfacing working away from the RPA or from ground boarding. Where ever system is used the soil to be NO disturbance of the soil beneath. If roots are found they are to be covered over with damp hessian and a layer of either sharp sand, wood chips or top soil to prevent desiccation.

### Supervised Excavation

All excavations within and immediately adjacent to RPAs are to be undertaken under direct on-site arboricultural supervision.

Any roots that are to be cut will be cleanly severed by the project arboriculturalist using a suitable hand saw or secateurs. The edge of all excavation closest to the retained trees will be covered over with damp hessian to prevent drying out, and where necessary be buttressed to prevent soil collapse or contamination by concrete. If appropriate soil beneath the depth of the excavation may be sheet piled, regular piled or have individual piles installed.

Manual excavation: Excavations within the RPAs will be initially undertaken by hand under direct on-site arboricultural supervision to a minimum of 600mm deep (to be confirmed by the project arboriculturalist), whether this is for proposed foundations, hard surfacing or underground services. The soil is to be loosened with the use of a fork or pick and/or air-spade and then cleared with a shovel and/or the aid of an air-spade and/or arvac.

Mechanical excavation: Excavation within the RPAs will consist of a mixture of mechanical and manual excavation. Where an excavator is used it will be fitted with a suitably sized toothless grading bucket, using a grading / scraping motion rather than digging. During each motion the excavator will not be permitted to remove no more than 10 - 20mm deep of soil in any one pass.

If any roots are discovered, mechanical excavation will immediately be stopped and manual excavation will take over to expose the root. Upon the root being uncovered and either severed or protected the excavations can then continue. Any excavator or other machinery that is to be used will be situated outside of the RPA of all retained trees or on top of a suitable ground protection.

Where an excavator or any other machinery is to be used within RPAs or beneath canopies the project arboriculturalist will clearly instruct the operator about what they want and expect to happen prior to any works may commence.

### Arboricultural Supervision

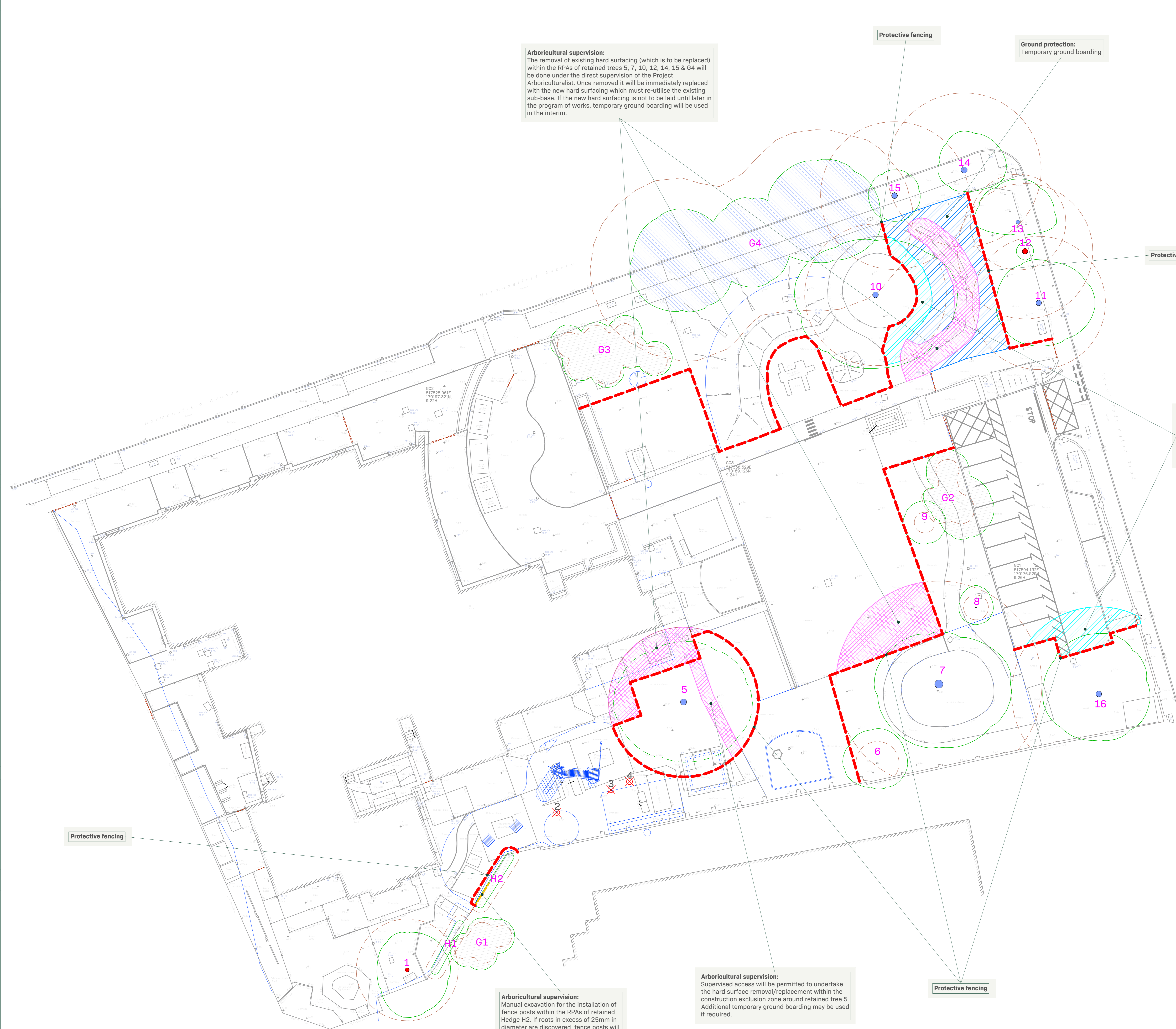
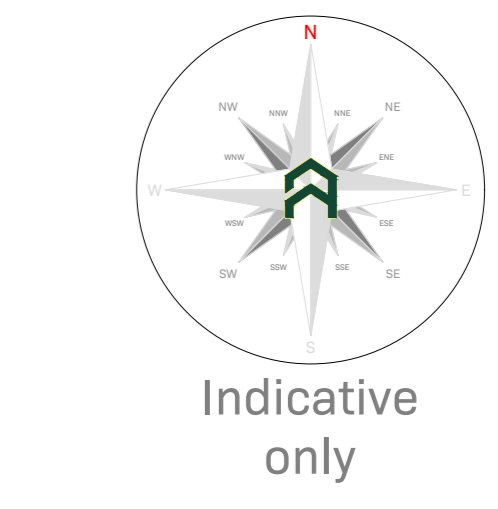
The arboricultural consultant will be required to attend site to directly supervise all demolition and construction works that have to be undertaken within the root protection areas. This will include:

- 1) Pre-commencement site meeting;
- 2) Location of protective measures;
- 3) Supervised removal/replacement of existing hard surfacing within and/or immediately adjacent to the canopies and RPAs of retained trees;
- 4) Manual excavation of fence post holes within and immediately adjacent to the RPAs of retained trees;
- 5) Any excavations within and immediately adjacent to RPAs, including foundations, hard surfacing, or underground services (a non-exhaustive list);
- 6) Removal of protective measures and sign-off.

### Arboricultural Method Statement

Please refer to Arbtech Consulting Ltd. Tree Schedule and Arboricultural Method Statement, for full details on all surveyed trees and how all aspects of the development may be implemented without detriment to retained trees.

**Arboricultural supervision:**  
 The removal of existing hard surfacing (which is to be replaced) within the RPAs of retained trees 5, 7, 10, 12, 14, 15 & G4 will be done under the direct supervision of the Project Arboriculturalist. Once removed it will be immediately replaced with the new hard surfacing which must re-utilise the existing sub-base. If the new hard surfacing is not to be laid until later in the program of works, temporary ground boarding will be used in the interim.



**Ground protection:**  
 The existing hard surfacing within the RPAs of retained trees 10, 15 & 16 is to be retained for the duration of the development to act as passive ground protection.

**Arboricultural supervision:**  
 Manual excavation for the installation of fence posts within the RPAs of retained Hedge H2. If roots in excess of 25mm in diameter are discovered, fence posts will be moved.

**Arboricultural supervision:**  
 Supervised access will be permitted to undertake the hard surface removal/replacement within the construction exclusion zone around retained tree 5. Additional temporary ground boarding may be used if required.

Rev:	Date:	Notes:
1	18/06/2024	Issued Proposed with the Report



**Project:**  
 Hampton Wick Primary and Nursery School  
 1 Normansfield Avenue  
 Teddington  
 TW11 9RP

**Client:**  
 Hartley Service Group Ltd

**Drawing:**  
 Tree Protection Plan

**Based on:**  
 6512\_2001\_P/18

**Drawing No:**  
 Arbtech TPP 01

**Date:** June 2024  
**Scale:** 1:150 @ A0  
**Drawn:** PDG

**Key:**

Tree Numbers:	1	Trunks:	○	Tree Canopies:	○
Canopies Protected:	○	RPAs:	○	Category B Trees:	○
Category B Trees:	○	Category C Trees:	○	Category D Trees:	○
Category D Trees:	○	Tree Removal:	✗	Protective Fencing:	—
Ground Protection Boarding:	■	Ground Protection Passive:	■	Arboricultural Supervision - All Removal:	■
Arboricultural Supervision - All Removal:	■	Supervised Excavation:	■		

Arbtech Consulting Ltd. 01244 661170  
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